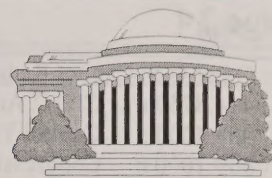


The Capitol Hill Monitor



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SCANNING THE 55th PRESIDENTIAL INAUGURATION

This is the fifth CHM inauguration special. Looking into the past in four-year increments, it is frightening how technology and national security has changed our hobby. The coming inauguration will bring a tremendous increase in the use of technologies -- many of which are feared by scanner hobbyists -- cellular, digital, encrypted conventional and trunked radio systems, and increased use of "voice-less" computer networks to relay information that had once been sent by radio.



Let this guide be a starting point with your monitoring activities. Please share your findings with the rest of us on the Scan-DC e-mail list.

When it comes to the inauguration, there are three official players:

The Presidential Inaugural Committee (PIC), which relies on private donations, is directly responsible to the elected president. It is formed after each general election. PIC organizes, plans and executes most inaugural celebration activities. The PIC is responsible for selecting participants in the parade and other official events, assigning credentials to media covering the inauguration and surrounding festivities, and answering questions about inaugural events.

For communication in the past, PIC has used a 900 MHz business trunked system, various UHF business band repeater and simplex channels, and cellular and text pagers.

<http://www.inaugural05.com/>

The Joint Congressional Committee on Inaugural Ceremonies (JCCIC) plans and executes all inaugural activities at the U.S. Capitol, including the inaugural swearing-in ceremony of the president and vice president and the traditional inaugural luncheon that follows.

The U.S. Capitol Police is the primary radio user on Capitol Hill, but several other channels active on the Capitol grounds are included in this newsletter.

<http://inaugural.senate.gov/>

The third player is the Joint Task Force-Armed Forces Inau-

gural Committee (JTF-AFIC) which is a joint service organization charged with coordinating all military ceremonial participation and support for the 2005 presidential inauguration. Military participation traditionally includes musical units, marching bands, color guards, firing details and salute batteries. JTF-AFIC also provides a limited amount of approved logistical support.

JTF-AFIC is typically closely affiliated with the Military District of Washington (MDW) and its communications systems. JTF-AFIC and MDW communication is explained in greater detail in the military section.

<http://www.afic.army.mil/>

FEDERAL AGENCIES

U.S. Capitol Police

Capitol Police channel usage varies from day to day. The department tends to use the first three channels for routine dispatch operations, and its last two for specialized units, command staff, and personal protection. Specialized USCPD radios have additional simplex channels beyond 10 which use the input or output frequencies of channels 3, 4 or 5 but with a different CTCSS or DCS (try the inputs of 164.6, 164.625 and 164.8).

While traveling, USCPD officers often use the common-agency channels of 163.1 and 168.35, either simplex or repeated. The department continues to use analog radios.

U.S. Capitol PD Channels

169.2250 r/s	[156.7] CH1/6
165.5375 r/s	[118.8] CH2/7
170.1750 r/s	[107.2] CH3/8
162.2500 r/s	[146.2] CH4/9
162.6125 r/s	[127.3] CH5/10

Capitol Hill Voice Pagers

169.5750 p	House Republican Pager
170.3750 p	House Democrat Pager
171.1750 p	Senate Democrat Pager
171.9750 p	Senate Republican Pager
406.6750 p	Senate Republican Pager
406.8000 p	Senate Democrat Pager
416.1500 p	Architect Pager/Emergency Alerting System

Other U.S. Capitol Radio Users

414.8750 r/s CH1/2 Architect of the Capitol
 408.4000 s Capitol Tour Guides
 409.1000 r Congressional Aides (pages)
 418.0750 s Parking Enforcement
 410.2000 r Government Printing Office Security
 408.1250 r/s CH1/2 Library of Congress Security

U.S. Supreme Court

163.1000 r/s CH1 Supreme Court Security (digital)
 163.2750 r/s CH2 Supreme Court Security (digital)

National Park Service

The NPS is divided into various management units in the capital area. Only those directly involved with the inauguration are listed. Many of these frequencies, however, are shared, so one may hear traffic from other locations. The Park Service is still analog.

U.S. Park Police (NPS)

166.7250 r/s [127.3] CH1/6 Secondary
 166.9250 r/s [127.3] CH2/7 Dispatch
 167.0750 r/s [127.3] CH3/8 Administrative
 166.8500 s [127.3] CH4 Tactical

National Park Ops – Nat'l Capital Area

168.4250 s/r [141.3] NPS-Parks East (Fort Washington)
 172.4750 s/r [156.7] NPS-Pks Ctrl/Rock Cr Pk (the Mall)
 172.7500 s/r [156.7] White House Maintenance Unit
 171.6500 s [156.7] White House Visitor Control Ops
 411.6750 r [162.2] White House Liaison
 166.9500 s/r [141.3] C&O Canal Park Rangers
 168.3000 s/r [141.3] GW & Clara Barton Pkwy Maint
 464.8875 s [606] Kennedy Center Staff/Shuttle Bus

Kennedy Center security used 461.325 prior to switching to Nextel. The center was licensed on 463.7125/468.7125, 463.8125, 464.7625/469.7625, 466.5875, 467.8125, 468.5375 and 469.4125 (none of which were verified).

Federal Protective Service

The Federal Protective Service (FPS) digitized its primary radio system in November 2000. The FPS XTS3000 radios transmit in digital mode by default unless they are replying to an analog signal. Additional frequencies are used at specific sites as well as those used by contractors. FPS provides security for some meeting and office space used for inaugural functions. The analog CTCSS is 131.8.

415.2000 r/s CH1/2
 411.2750 r/s CH3/4
 414.4750 r/s CH5/6

NTIA Motorola and Passport Trunked Systems

This is a Motorola trunked radio system (4E00) popular among federal/military agencies in downtown Washington,

D.C. including a few museums, the National Archives, FDA, GSA, NDW, Bolling AFB, etc.

406.2500 Voice
 406.7500 Voice
 406.8500 Control/Voice
 408.4500 Control/Voice
 408.7000 Control/Voice
 408.9000 Control/Voice
 409.7500 Voice
 410.3750 Voice



Rx 406.1 (start); Channel Spacing 25 KHz

Most of the Smithsonian museums have transitioned to the below Passport radio trunked system used in downtown Washington, although some Smithsonian talkgroups remain in use on the NTIA Motorola system.

407.0750 Voice
 407.3750 Voice
 408.5500 Voice
 408.8750 Voice
 410.3125 Voice

See David Schoenberger's research for more details:
<http://davidschoenberger.net/scanning/dc/washington.htm>

National Gallery of Art

168.3500 r [141.3] Administration
 406.5500 r [103.5] CH1 Security
 408.0000 s [103.5] CH2 Security & Safety

Disaster Medical Assistance Teams

DMAT has used both channels during past events in the city. They employ an analog scrambling system. MMST has a talkgroup on the Arlington County trunked system. Some MMST/DMAT users reportedly use FRS/GMRS and 800 MHz mutual aid channels for on-scene communication.

407.1250 r [100.0] Disaster Medical Assistance Team
 409.0000 r [100.0] Disaster Medical Assistance Team
 34096 (hex 853) Metropolitan Med Strike Team (Arl. Co.)

Urban Search & Rescue

FEMA may place the Fairfax and/or Montgomery USAR teams on "alert status" during the inauguration. Even if the teams do not fully deploy, we may perhaps hear a few members chatting while in staging locations. Both teams will likely have their county trunked radios as well (Montgomery's team uses 04784 [hex 12B] on the county's system).

The commonly used USAR frequencies appear below. CTCSS vary depending on the team. Frequencies appearing in the second column are inputs. The first column may be either simplex or repeated if an input is listed. Many of these

channels are used by other federal agencies.

403.1500
403.2500
408.4000 418.0500
410.1500
412.6750 406.4000
412.7750
412.8625
413.1250 418.1250
414.0000
416.6500
418.0500 408.4000
418.0750
418.5750
418.6000 408.4500



Federal Communications Commission

The FCC was active during the April 2000 protests tracking a pirate broadcaster transmitting on 97.5 MHz. Also of concern are threats that activists will interfere with public safety communication, or the remote possibility a radio transmitter could be used as a detonator.

According to CNN, a recent pirate station in D.C. called for "massive protests" during the week prior to the inauguration. The station broadcast on 1680 KHz and identified itself as "Guerrilla Radio, WSQT." Much of the traffic on the commission's repeater is encrypted. For pirate info, see:

http://www.infoshop.org/pirate_kiosk.html

167.0500 r [173.8] FCC field info

Federal Bureau of Investigation

FBI involvement is somewhat limited. Agents provide intelligence and advice. In addition, the FBI's SWAT and other specialty units such as the Joint Terrorism Task Force (JTTF) will be on stand-by. The bulk of FBI radio traffic is encrypted, and many agents make greater use of Nextel and two-way pagers. Sometimes the D.C. admin net, listed below, is used in the clear.

167.4375 r [167.9] D.C. Administrative

U.S. Marshals Service

In addition to providing personal protection for justices and judges, during the inauguration, marshals will secure federal judicial buildings. The marshals may also deploy special civil disturbance teams.

Channel numbers vary depending upon the radio, and all marshal radios are now digital. Other channels that could be assigned for use include 170.8 and 170.85.

162.7125 r/s Special Ops
162.7875 r/s Alternate
163.2000 r/s Primary
163.8125 s Tactical
170.7500 s Court Security
170.8750 s Tactical 1
170.9250 s Tactical 2

State Department

The State Department, including its Washington Field Office (WFO), provides security for the Secretary of State and foreign official visitors, except heads of state, who are protected by the Secret Service. The standard CTCSS is 151.4.

411.4250 r/s Secretary Detail
417.8500 r/s Dignitary Protection
411.0750 s Agent-to-Agent
409.1500 s Agent-to-Agent
415.9000 s Agent-to-Agent/Dulles Channel
408.6000 s Building Security (digital)
418.4500 r/s WFO Protection
409.6250 s WFO Motor Pool

Secret Service

Secret Service agents protect the president, past presidents and foreign heads of state. Since the inauguration has been designated a national special security event, the Secret Service assumes its role as the lead federal agency for the design and implementation of the operational security plan.

Much of the Secret Service traffic is digital and encrypted. The Dept. of Homeland Security Common frequency, 166.4625, once known as Treasury Common, is often a federal law enforcement command post channel. The federal agencies have a slew of new interop channels (see below).

One may find the Secret Service or an allied agency using additional frequencies. Some of these ad hoc channels used in Washington have included: 166.0625, 166.8, 167.0, 168.1, 168.2, 168.725, 168.975, 169.1, 169.45, 169.55, 169.7, 169.75, 170.1 and 173.625. They were discovered during the Gorbachev and Yeltsin visits and the NATO summit. Try the White House Communications Agency channels listed in the military section too.

165.7875 s [103.5/Astro] Baker
165.3750 s [103.5] Charlie
165.2125 s [103.5/Astro] Mike
164.6500 s [103.5] Tango
164.8875 s [103.5] Oscar
164.4000 s [103.5] Papa
165.6875 s [103.5/Astro] Washington Field Office
170.0000 s [103.5] WFO Alternate
166.4625 s [103.5/Astro] DHS-Common (was T-Common)
167.0125 s [Astro] Vice President's Detail
167.0375 s [Astro] President's Detail

Uniformed Division, Secret Service

The UDSS provides security to the White House and selected federal and foreign facilities in the Washington area. Please refer to the December 2004 CHM for more details.

162.0750 r	[Astro]	White House 1 (169.9375 in)
163.3125 r	[Astro]	White House 2 (170.4375 in)
170.0000 s	[Astro]	White House Admin/Blair House
164.1750 s	[CSQ]	White House Notification System
166.2000 s	[103.5]	Vice President's Residence
162.3125 r	[Astro]	Foreign Missions 1 (171.7625 in)
164.4375 r	[Astro]	Foreign Missions 2 (172.5625 in)
170.9875 s	[Astro]	Foreign Missions 3
170.0000 s	[127.3]	Inter Ops (Secret Service common)
164.1000 s	[Astro]	Canine Tac

Immigrations and Customs Enforcement

165.2375 r	[100.0]	ICE Aircraft and Agents
165.4625 r	[100.0]	ICE Agents
282.4250 s	[None]	ICE Air Ops
228.9000 s	[None]	ICE and CAP aircraft
260.9000 s	[None]	ICE and CAP aircraft
243.0000 s	[None]	UHF Air Emergency

Also see the combat air patrol listing in the December 2004 CHM.

Alcohol, Tobacco & Firearms

The ATF provides support to MPD, albeit in the background. Agents may be brought in from across the country and the Rockville laboratory will be on alert. ATF brings unique expertise in firearms, explosives and arson handling, disarming and investigation. Much of the bureau's radio transmissions are encrypted.

165.2875 r/s	Operations (primary)
166.5375 r/s	Operations
165.9125 s	Unit to Unit
173.8875 s	Unit to Unit

Inter-Agency and Common-Agency Federal Channels

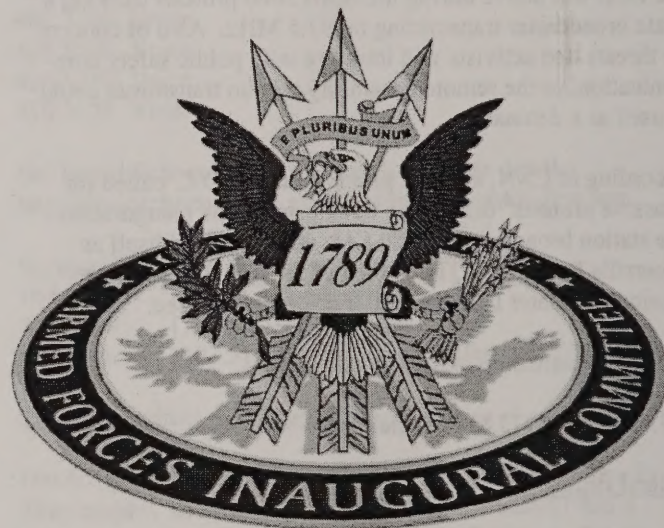
163.1, 168.35, 408.4, 418.05, 418.075 and 418.575 are intermittent wide-area transient and common-use frequencies available for use on a shared basis by all federal agencies. All six frequencies are used in Washington with multiple agencies sharing each frequency and are candidates for inaugural activities.

The following narrow-band channels are newer and are not as well established, but are similar to those above: 163.7125, 168.6125, 173.625/167.1375, 407.525/416.525, 409.05/418.05, 409.075/418.075, 409.3375/418.3375, 412.825, 412.8375, 412.85, 412.8625, 412.875, 412.8875, 412.9 and 412.9125.

FCC Public Notice DA 01-1621 established the following frequencies for joint law enforcement: 162.0875, 162.2625, 162.8375, 163.2875, 163.425, 167.0875, 167.25, 167.75, 168.1125, 168.4625, 409.9875, 410.1875, 410.6125, 414.0375, 414.0625, 414.3125, 414.3375, 418.9875, 419.1875 and 419.6125.

The same notice designated these as joint incident response channels: 164.7125, 165.25, 165.9625, 166.575, 167.325, 169.5375, 170.0125, 170.4125, 170.6875, 173.0375, 410.2375, 410.4375, 410.6375, 410.8375, 413.1875, 413.2125, 419.2375, 419.4375, 419.6375 and 419.8375.

If you have room in your radio, you might want to monitor these channels, but you may not hear them used.

MILITARY AGENCIESArmed Forces Inaugural Committee

During the 2001 Inauguration, AFIC planned to cut its need for voice traffic by as much as half through the use of computer networks running chat programs. Remote sites had dial-up access to the network behind the firewall as well as phone lines to the AFIC Joint Ops Center. The majority of AFIC members in 2001 were also assigned Nextel phones.

Although AFIC relies less on traditional two-way radios than in the past, AFIC still uses analog channels! AFIC has always appeared during past inaugurations in the lower VHF band. In addition, during more recent inaugurations, AFIC command and control nets have also operated on Belvoir's trunked system (below).

These have tentatively been identified as AFIC's 2005 Inauguration channels:

138.1500 r [141.3]
 138.5000 r [151.4]
 138.9875 r [156.7] Dispatch (drivers)
 139.1500 r [141.3]
 139.8500 r [118.8] Route Control
 141.1625 r [162.2] AFIC Comms
 141.4250 p [None] Voice paging

This was the AFIC channel plan from the 2001 Inauguration:
 Ch.1 143.15r, Ch.2 148.475r, Ch.3 142.375r, Ch.4 142.925r,
 Ch.5 143.225r, Ch.6 143.975r and Ch.7 139.3r.

AFIC used combinations of the following frequencies during the 1993 and 1997 inaugurations: 138.325, 138.35, 138.5, 138.9, 139.7, 139.725, 139.8, 139.975, 140.0, 140.375, 140.85, 141.575, 141.65, 141.725, 141.75, 141.8, 141.85, 141.9, 141.925, 142.125, 142.175, 142.2, 142.25, 142.325, 142.4, 142.45, 142.475, 142.65, 143.025, 143.375, 143.85, 143.875, 143.95, 148.375, 148.425, 148.475, 148.55, 148.675, 148.7, 148.725, 148.75, 148.825, 148.875, 149.125, 149.15, 149.175, 149.275, 149.775, 149.875, 150.225, 150.3, 150.325 and 150.425.

Fort Belvoir Motorola Trunk (2C36)

406.2000 Voice
 406.3000 Voice
 406.5250 Control/Voice
 406.7750 Voice
 407.0250 Voice
 407.9500 Control/Voice
 408.8500 Voice
 409.2500 Control/Voice
 411.2000 Voice

Rx 406.2 (start); Channel Spacing 25 KHz

The following Motorola trunked system appeared during late 2004. Thus far all traffic appears to be digital and encrypted. Note that this system has assumed some of the Belvoir channels, and may likely become its replacement. It uses at least two ranges as noted.

Future Belvoir System? (A73B)

406.1125 Voice
 406.3625 Voice
 406.5250 Voice
 406.7750 Voice
 406.9250 Voice
 407.0875 Voice
 407.2375 Voice
 407.4125 Control
 407.5625 Control
 407.7125 Voice
 407.8875 Voice
 408.0875 Voice
 408.2625 Voice
 408.4250 Voice
 408.5750 Voice
 408.7375 Voice



408.9125 Voice
 409.1125 Voice
 409.2750 Voice
 409.4750 Voice
 409.6375 Voice
 409.9125 Voice
 410.7625 Voice

Rx (380) 406.1 (start); Channel Spacing 12.5 KHz
 Rx (664) 409.9 (start); Channel Spacing 12.5 KHz

Military District of Washington

The Army's MDW has overall responsibility for the coordination and operation of DoD participation in government ceremonies in the capital area. MDW will be busy in almost every aspect of the ceremonies from security to transportation to logistical support.

MDW's command, operations and logistics nets (known as "State Sword") will undoubtedly be in use. The routine frequencies used by the various installations are not usually used in support of special events, except for units with a specific executive support mission such as Marine Executive Squadron 1 (HMX-1). Several of these nets may have moved to the above trunked systems.

139.0750 r/s State Sword-Transportation
 139.1750 r/s State Sword-Operations
 139.3500 s State Sword-Public Affairs
 139.1000 r/s State Sword-Ceremonies & Spl Events
 139.0500 r/s State Sword-Logistics
 32.8700 d Motor Pool-Dispatch Base Military Taxis
 32.5300 d Motor Pool-Mobiles Military Taxis
 36.9100 s Motor Pool-Support Bus Dispatch
 407.5250 r/s Motor Pool-VIP Sedans
 143.1750 r/s 3rd Infantry-Ceremonies & Spl Events
 143.0000 s 3rd Infantry Support
 148.5500 s 3rd Infantry Ceremonial Spl Events

White House Communications Agency

Another important military element which provides support to the inauguration as well as the president is the White House Communications Agency (WHCA). WHCA personnel routinely use Secret Service channels. Other frequencies may be added as required. Administrative operations are on the Fort Belvoir trunked system (above).

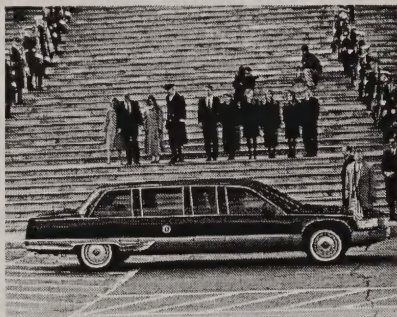
169.9250 s Delta
 167.9000 s Hotel, White House Motor Pool
 166.7000 s November
 166.2000 s Naval Support Facility, Camp David
 166.5125 s Sierra
 167.0250 s Whiskey
 162.6875 d Yankee, Phone Patch (base)
 171.2875 d Zulu, Phone Patch (mobile)
 375.0000 s Helipad Comms

Andrews Air Force Base

Andrews AFB remains on an analog Motorola trunked system that rarely uses any encryption. Andrews will play host to traveling military VIPs and dignitaries. Pay special attention to the phone patch channels. The Andrews frequencies may be especially interesting prior to and after the inauguration as various VIPs arrive and depart.

ADW Trunked System (6B01)

406.3500 Control/Voice
406.9500 Control/Voice
407.1500 Control/Voice
407.4250 Control/Voice
408.0250 Voice
408.2000 Voice
408.7500 Voice
408.9500 Voice
409.3500 Phone Patch
409.7250 Phone Patch



Rx 406.0000 (start); Channel Spacing 25 KHz

ADW Command Post Ops

118.4000 Tower
289.6000 Tower
122.8500 Pilot to Dispatch
372.2000 Pilot to Dispatch
141.5500 Command Post & Wing Ops (AM)
378.1000 Command Post & Wing Ops
344.6000 Metro

1st Helo Squad (89th Air Wing) ("Mussel")

141.7000 Squadron Operations (AM)
292.2000 Squadron Operations
297.5000 Air to Air
163.5125 Maintenance and Operations

USMC Executive Flight Squadron

The Marine Corps presidential and vice presidential executive flight squadron is known in military circles as "HMX-1," to the Secret Service as "Nighthawk," and to the American taxpayer as "Marine 1" (or Marine 2). Helos are based in Quantico, but often stage in Anacostia.

265.8000 Squadron Common (Quantico)
276.4000 Squadron Operations
273.9500 Squadron Operations
320.4000 Squadron Maintenance (Quantico)

Pentagon Force Protection Agency (Defense Prot Svc)

Despite its name, the PFPA is responsible for security at several DoD properties including several in D.C., as well as the Defense Secretary's residence. During 2004, the agency completed its transition from analog to digital. The messages are often encrypted.

406.7250 r/s
407.3250 s
415.2500
413.5000 r/s
408.1750

Civil Air Patrol

The patrol has in the past assisted with special events in town.

148.1250 r
148.1500 r
149.9250 r

380 MHz DoD Trunked Systems

While new in Washington, the digital DoD networks being built in the 380-390 MHz band may be worth checking for activity. See the December 2004 CHM for more details.

Military Intra-Squad Radios

The military has 14 channels similar to the civilian FRS band. Mike Agner and Lewis McCannon provide the list: Ch.1 396.875, Ch.2 397.125, Ch.3 397.175, Ch.4 397.375, Ch.5 397.425, Ch.6 397.475, Ch.7 397.55, Ch.8 397.95, Ch.9 398.05, Ch.10 399.425, Ch.11 399.475, Ch.12 399.725, Ch.13 399.925 and Ch.14 399.975.

LOCAL GOVERNMENTD.C. Fire & EMS

Motorola trunked: 852.6125, 852.6375, 852.6625, 852.6875, 852.7125, 852.7375, 852.7625, 852.7875, 855.2125, 855.2375, 855.4625, 856.9875, 857.9875, 858.9875, 859.9875 and 860.9875

Key Fire/EMS talkgroups and those used for special events:

01616	065	Dispatch (154.19 simulcast)
01632	066	Main
01648	067	Fireground 1 (primary)
01904	077	EMS 1 (dispatch east)
01920	078	EMS 2 (dispatch west)
01936	079	EMS 3 (rescue ops)
01952	07A	EMS 4 (EMS Spec)
02096	083	Special Event 1
02112	084	Special Event 2
02128	085	Special Event 3
02528	09E	Special Event 4

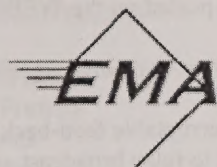
D.C. Fire/EMS Conventional Channels

154.1900 s [77.0]	Simulcasts Dispatch
868.0125 s [94.8]	Talkaround
867.7625 s [156.7]	Direct 1 (VRS 1/3)
867.4875 s [156.7]	Direct 2 (VRS 2/4)

D.C. Emergency Mngt Agency/Other City Agencies

EMA uses the talkgroups below on the same trunked system as D.C. Fire/EMS. EMA also supposedly retained its former channels, 45.6 and 45.56. Public works crews mostly use Nextel, although you may still hear some truck-to-truck chatter on the department's old low band channels (37.1, 37.94 and 37.98).

33616	835	Executive 2
33648	837	Executive 1
33680	839	Citywide 1
33712	83B	Citywide 2
33840	843	EMA Ops 1
33872	845	EMA Tac 1
34480	86B	Used during 2001 Inaug
34576	871	D.C. TMC (Traffic)
34832	881	D.C. Protective Service Disp
34864	883	D.C. Protective Service Tac
35536	8AD	EMA 1 (DCFD-EMA Coord)
35568	8AF	EMA 2 (DCFD-MPD-EMA Coord)



Metropolitan Police Department

Talkgroups that will likely be assigned for special use during the inauguration and other special events appear below. Encrypted-only groups have been omitted. Talkgroups will be assigned to various details and elements as required, including MPD's Civil Disturbance Units (CDU), traffic, vending, prisoner control and Special Operations Division (SOD). Most inaugural sites and visitor locations are within the 1st, 2nd, 3rd and 5th districts which are listed along with the talkgroups likely to be used for special events.

Motorola trunk: 460.025, 460.1, 460.15, 460.2, 460.25, 460.275, 460.325, 460.35, 460.4, 460.425, 460.45, 460.475 and 460.5

MPD Talkgroups

16400	401	1st District
16432	403	2nd District
16464	405	3rd District
16528	409	5th District
16624	40F	Citywide 1
16656	411	SOD 1, Special Events
18288	477	Special Events 1
18320	479	Special Events 2
18352	47B	Special Events 3
18384	47D	Special Events 4
21136	529	Tactical 1
21168	52B	Tactical 2
21200	52D	Tactical 3
21232	52F	Citywide 2
21360	537	Command



In its old analog radios, MPD SOD traditionally made regular use of simplex channels for special events. These are new!

MPD Conventional Freqs

159.1500 r	[127.3]	Citywide 1 (analog patch)
460.0625 s	[Astro]	Citywide Surveillance 1
460.3375 s	[Astro]	Citywide Surveillance 2
458.0375 s	[Astro]	SOD Surveillance 1
453.9375 s	[Astro]	SOD Surveillance 2
460.2625 s	[Astro]	Citywide & SOD Surveillance 3

Other District-Related Agencies

47.4200 s	[]	American Red Cross
161.0000 r	[Many]	Nat Guard (Amtrak uses 160.995)
448.8750 r	[]	Amateur support (2m possibly too)
462.6750 r	[Many]	Federal City REACT
464.3500 r	[71.9]	Hypothermia Vans
488.3125 r	[606]	D.C. Jail (in case of protester arrests)

Business Improvement Districts

The city has two active BIDs. Both have had several frequencies licensed. Please report any confirmed activity. The Downtown BID had used 452.1r [167.9] but now appears to use 463.65r [167.9] and 464.975s. Golden Triangle is licensed on 463.475r [205] but had used 464.0 [167.9].

Common Mutual Aid Channels

Suburban police, EMS and fire personnel will likely assist with inaugural activities using D.C. Fire/EMS and their own radios. The mutual aid and COG channels are sometimes used during such special events. The 800 MHz channels use a CTCSS of 156.7, but by agreement, the COG channels may be used for digital or analog intra-agency communication without the 156.7 CTCSS. The VHF channels use no tone.

123.0250 s	Public Safety Helos
154.2800 s	Fire Mutual Aid 2
154.2950 s	Fire Mutual Aid 1
866.0125 r	National Calling Channel
866.5125 r	National Tac 1
867.0125 r	National Tac 2
867.5125 r	National Tac 3
868.0125 r	National Tac 4
866.3625 r	Police Mutual Aid
868.5125 r	Council of Governments 1
866.8375 r	Council of Governments 2
867.2375 r	Council of Governments 3
867.4875 r	Council of Governments 4
866.8625 r	Council of Governments 5
867.7625 r	Council of Governments 6

Suburban Police Agencies (possibly involved)

39.5400 s	VSP SIRS
154.6650 s	VSP CH15 Tactical
154.6950 s	VSP CH16 Surveillance
154.6800 s	VSP Executive Protective Unit
453.3500 r/s	MSP CH1/2 Exec Prot Div (statewide)
453.7250 r/s	MSP CH5/6 Exec Prot Div (College Pk)
494.8875 r/s	Prince George's Co CH6A/B SOD Tac
494.9375 r/s	Prince George's Co CH7A/B South Tac

TRANSPORTATIONMetropolitan Washington Airports Authority

MWAA is the authority which runs Reagan and Dulles airports. It has its own digital Motorola trunked radio system. MWAA police often escort dignitaries to/from the airports using this radio system. Frequencies are: 866.05, 866.675, 866.725, 866.8875, 866.925, 867.2, 867.35, 867.4375, 867.4625, 867.5375, 867.5625, 868.2125, 868.7125 and 868.8.

Washington Metropolitan Area Transit Authority

WMATA is slowly migrating to a 490 MHz trunked system, but these channels will continue to be used through the inauguration.

161.3850 r/s CH1/2 Metrobus/rail Police
 160.2600 s Rail - Red line
 160.3800 s Rail - Blue, Orange lines
 160.6200 s Rail - Blue, Green, Yellow lines
 496.6125 r CH7 Bus Supv/Maint

Amtrak and Union Station

160.2900 r CH1 Yardmaster
 160.3500 r CH2 Train Maintenance
 160.4400 r CH3 Station Ops
 160.9200 s Amtrak Road
 161.2950 r Amtrak Police Primary
 161.2050 r Amtrak Police Tac/Car to Car
 173.3750 s Amtrak Police CID
 452.9000 s Terminal Services

Also see listings for Union Station Shops, below.

Aircraft Freqs (recommended by Ron Perron)

118.4000 Andrews Tower
 118.9500 Potomac
 119.1000 Reagan Tower
 119.3000 Potomac
 119.8500 Potomac
 120.7500 Wash Helo Control
 121.0500 Potomac
 121.5000 VHF Air Emergency
 123.0250 Helo Unicom (area helicopter common)
 124.0000 Potomac
 124.2000 Potomac
 125.6500 Potomac
 126.5500 Potomac

D.C. Harbor, Coast Guard, Fireworks Details

156.8000 s Marine CH16 (Hailing, Distress)
 156.8500 s Marine CH17 (D.C. Harbor Patrol)
 157.0500 s Marine CH21 (CG)
 157.1500 s Marine CH23 (CG Sta. Washington)
 157.0750 s Marine CH81 (CG Aux/MSO)
 157.1750 s Marine CH83 (CG)

NEWS MEDIA

During the 1993, 1997 and 2001 inaugurations, the FCC allowed the Washington Executive Broadcast Engineers, the local media frequency coordinator, to temporarily assign frequencies from UHF TV channel 15 (477-482 MHz) to broadcast users. This spectrum is technically no longer available because TV channel 14 now uses TV channel 15 as its digital channel. As we go to press, only the 2001 coordination list remains posted on the WEBE site. For more info, see:

<http://www.webe.org/pages/freq.html>

IFB (interruptable feed-back) channels are used to relay broadcast audio to crews in the field. The feed can be interrupted by the director to provide instructions and cues. Channels used by engineering crews (electronic news gathering) are listed as ENG.

Television Networks

450.4125 s [136.5] ABC IFB
 455.0875 s [136.5] ABC CH1 Desk
 455.5875 s [136.5] ABC CH2 ENG
 450.5875 s [136.5] ABC CH3 Couriers
 450.0500 s [107.2] CBS CH3 Maint 2
 450.1500 s [107.2] CBS CH1 Maint 1
 450.2875 s [107.2] CBS CH4 Desk
 450.4875 r [107.2] CBS CH2 Desk
 450.5125 r/s [107.2] CBS CH6/10 Techs
 450.6125 s [107.2] CBS CH11
 450.7500 s [107.2] CBS CH12
 450.8000 s [107.2] CBS CH5/9 IFB 1
 455.2625 s [107.2] CBS CH13
 455.2875 s [107.2] CBS CH8 Freq 8
 455.6125 s [107.2] CBS CH7 IFB 2
 161.6700 s [331] NBC Desk
 450.5500 s [306] NBC CH2 IFB
 455.8500 s [306] NBC CH4 IFB

NBC's temporary channels for this inauguration will be Ch.1 483.6625r (ENG/Fld Ops), Ch.2 483.6625s (T/A), Ch.3 486.8625s, Ch.4 486.8875s, Ch.5 486.9125s, Ch.6 486.9375s and Ch.7 483.7375s (citywide IFB). CTCSS will be 82.5.

Cable News Networks

450.1875 r/s CNN CH1/2 ENG
 450.8875 r/s CNN CH3/4 Desk
 450.5625 r C-SPAN Field Base
 463.5000 r C-SPAN Base

During past events in Washington, CNN imported radios on 450.3, 450.3375, 450.675, 450.775 and 450.825 from its other bureaus. Fox News licensed 461.025, 461.05, 461.075, 461.1, 461.125, 461.15, 464.5, 464.55, 495.4375 and 495.4625. Has anybody monitored them?

Radio Networks

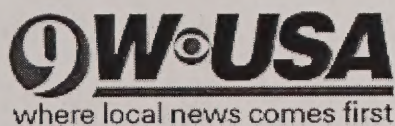
455.3500 s	ABC CH1 Primary
450.8500 s	ABC CH2 Alternate
455.7000 s	ABC CH3 Remotes
450.6500 s	ABC CH4 Remotes
455.4500 s	AP Radio Desk
450.8000 s	AP Radio Remotes
450.4875 r/s	NPR Radio CH1 & CH2 ENG/Master Control
450.4500 r/s	NPR Radio CH3 & CH4 IFB/ENG
450.6500 r/s	NPR Radio CH5 & CH6 IFB/ENG
161.6400 s	Westwood One Desk
450.3125 s	Westwood One CH1 IFB
455.4125 s	Westwood One CH2 Primary
450.9500 s	Westwood One Remotes
455.9500 s	Westwood One Remotes
164.7000 s	VOA Two-Way
412.0250 s	VOA IFB
416.3125 s	VOA IFB & Two-Way
416.3375 s	VOA IFB
416.3625 s	VOA IFB
416.6125 s	VOA IFB & Two-Way
418.0500 s	VOA Remotes
418.5750 s	VOA Remotes

Print Media

463.5000 r	[100.0]	Newsweek (also 464.5/469.5)
452.9750 r/s	[134]	Time CH1/2
452.9750 r	[192.8]	USA Today Photogs
464.5250 r	[]	US News & World Report CH1
464.5500 r	[]	US News & World Report CH2
852.5125 r	[054]	Washington Post CH1

Local TV Stations

153.0500 s	[331]	WRC Desk
450.4500 s	[306]	WRC CH1 ENG
455.1500 s	[306]	WRC CH3 IFB
161.7300 s	[None]	WTTG CH1 Desk
161.7600 s	[None]	WTTG CH2 Alternate
450.1125 r	[311]	WJLA CH1 Desk
450.2625 r	[311]	WJLA CH2 ENG
450.7500 s	[141.3]	WUSA CH1 ENG
450.2125 s	[141.3]	WUSA CH2 Desk (old)
450.0875 s	[141.3]	WUSA CH3 Sky9
450.1875 r	[141.3]	WUSA CH4 Desk



Local Radio/Traffic

455.9125 r	Metro Traffic (primary)
450.2375 s	Metro Traffic (program audio)
161.7000 s	WMAL
455.2125 s	WMAL
450.3500 s	WTOP Desk
455.6500 s	WTOP Remotes
496.8375 t	Traffic Pulse (Passport)

INAUGURAL SITES

Many thanks to David Schoenberger for his contributions.
See his site for more info on downtown sites:
<http://davidschoenberger.net/scanning/dc/washington.htm>

D.C. Armory (RFK Stadium & Armory), 2001 East Capitol St

153.9800 s	[]	
453.5250 s	[074]	DC Prot. Svc. (also on 800 trunk)
464.3750 r	[110.9]	CH1
464.6750 s	[110.9]	CH2

Hilton Washington, 1919 Connecticut Av NW

151.7150 s	[]	
464.3250 r	[143]	Security?
464.3750 r	[143]	Housekeeping?
464.5125/469.5125	[]	

National Building Museum (Pension Bldg), 401 F St NW

464.5000 s	[703]	Security
464.7750 s	[]	Security (Gilbert)

National Building Museum is overseen by FPS.

Washington National Cathedral, 3001 Wisconsin Av NW

154.6000 s	[]	
462.0250	[445]	
463.2250 r	[107.2]	Security
463.9500	[131]	
464.5250 s	[]	Facilities Services
464.9250 s	[]	National Cathedral School

MCI Center, 601 F St NW

461.0750 r/s	[023]	CH1/9 Arena Admin, First Aid
461.1500 r/s	[043]	CH2/10 Security, Suites
461.2750 r/s	[051]	CH3/11 Operations, Eng, Telecom
461.4250 r/s	[065]	CH4/12 Ogden Foods
461.5250 r/s	[072]	CH5/13 Washington Sports 1
461.6000 r/s	[074]	CH6/14 Washington Sports 2
461.1000 r/s	[125]	CH7/15 Eagle Cleaning
461.1750 r/s	[131]	CH8/16 Parking

Andrew W. Mellon Auditorium, 1301 Constitution Ave NW

This facility is owned by the federal government under the Department of Commerce. Police services are likely provided by FPS or Park Police. Please report any internally used frequencies.

Union Station, 50 Massachusetts Av NE

464.5250 r	[]	CH1 Housekeeping
464.5750 r	[346]	CH2 Security
464.7750 r	[365]	CH3 Engineering
464.8250 s	[311]	Housekeeping
464.8750 s	[311]	Cleaning Staff
464.9250 s	[311]	CH6 Security Tac
469.8750 s	[]	
463.9125 s	[]	Food Court
464.5000 s	[210.7]	AMC Union Station 9

Other frequencies previously licensed but not confirmed used at Union Station include 469.425 and 469.925 (Columbus Club) and 464.7375 (Dimension System II). Also see Amtrak railroad listings (above).

Washington Convention Center, 801 Mt Vernon Pl NW

453.1125 r CH1 Security, Primary
 453.1375/458.1375 New!
 453.8875/458.8875 New!
 453.9125 r CH2 Security
 453.9625/458.9625 New!
 460.5625/465.5625 New!
 461.0125 s Service America Corp
 466.0125 s Service America Corp
 469.4250 s Catering
 469.9250 s Catering

The CTCSS at the former center was 156.7. Any updates would be appreciated.

* * *

COMMON-USER, FAMILY AND ITINERANT FREQS

During the 1993 inauguration, PIC staff communicated on a leased 20-channel Motorola 900 MHz trunked system. In 1997, PIC used a few 461-465 MHz business repeater channels. This year PIC will likely use cell phones.

The FRS, GMRS, itinerant and common business frequencies will buzz with protesters and groups coordinating various events: 151.625 Red, 151.655, 151.685, 151.715, 151.775, 151.805, 151.835, 151.895, 151.925, 151.955 Purple, 154.49, 154.515, 154.54, 154.57 Blue, 154.6 Green, 158.4, 462.575 White, 462.625 Black, 462.675 Orange, 464.325, 464.5 Brown, 464.55 Yellow, 464.825, 467.7625 J, 467.8125 K, 467.85 Silver Star, 467.875 Gold Star, 467.9 Red Star, 467.925 Blue Star, 469.2625, 469.5 and 469.55

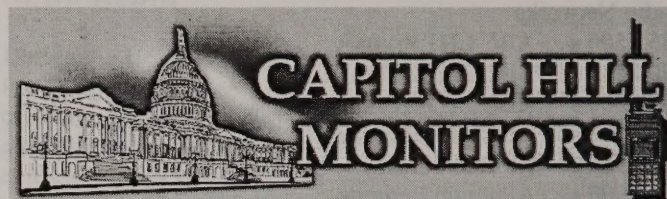
The link below is for a WAV file recorded during the April 16, 2000 protest. It demonstrates how well coordinated the activists were. The most active FRS channel during the April 2000 protest was 462.6375, followed by 462.5625 and 462.6125. Nextel was heavily used by them, law enforcement and the media (you will hear reference to it).

http://henney.com/chm/0901/frs_0400.wav

FRS: Ch.1 462.5625, Ch.2 462.5875, Ch.3 462.6125, Ch.4 462.6375, Ch.5 462.6625, Ch.6 462.6875, Ch.7 462.7125, Ch.8 467.5625, Ch.9 467.5875, Ch.10 467.6125, Ch.11-467.6375, Ch.12 467.6625, Ch.13 467.6875 and Ch.14 467.7125.

See Greg Guise's "Scanning FRS" article from the Sept. 2001 CHM:

<http://henney.com/chm/0901/>



Please address all correspondence to Alan. We encourage readers to submit material and write articles that relate to the hobby. All submissions are subject to editing for style and content. When submitting material please make certain we can contact you should we have any questions. We welcome frequency and visitor requests, but please include a reply envelope.

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The *Capitol Hill Monitor* is the non-profit newsletter of the Capitol Hill Monitors. The newsletter keeps scanner enthusiasts abreast of local meetings, frequency profiles and other topics of interest. Dues are \$10 and include 12 issues (back issues cost \$1 each). Kindly make checks payable to Alan Henney. Membership will be prorated accordingly in the event of a postage increase.

Join Local Scanner Enthusiasts On-Line!

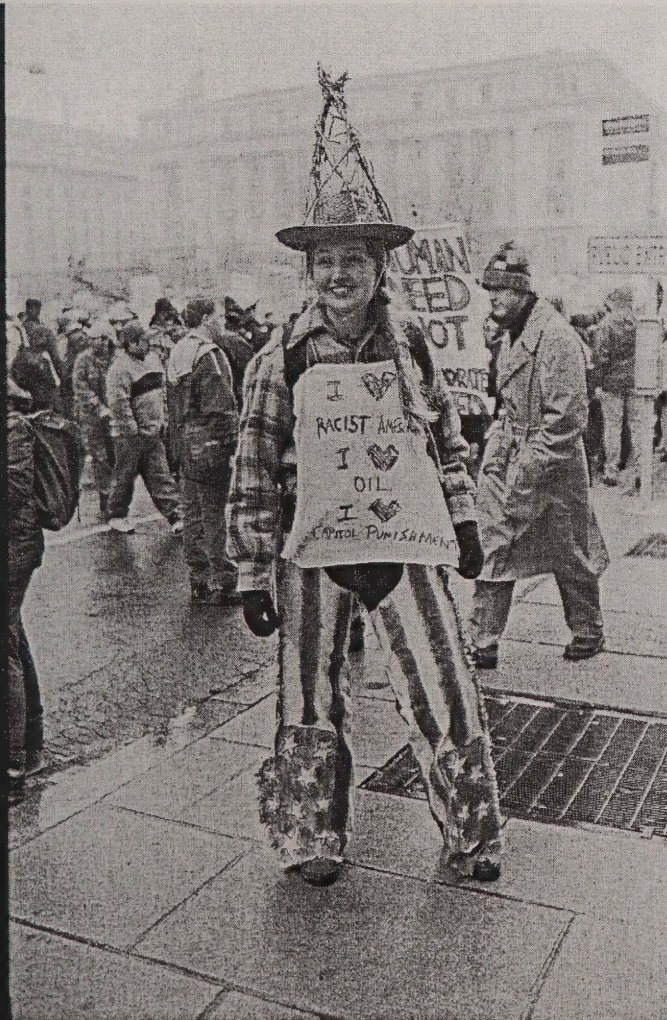
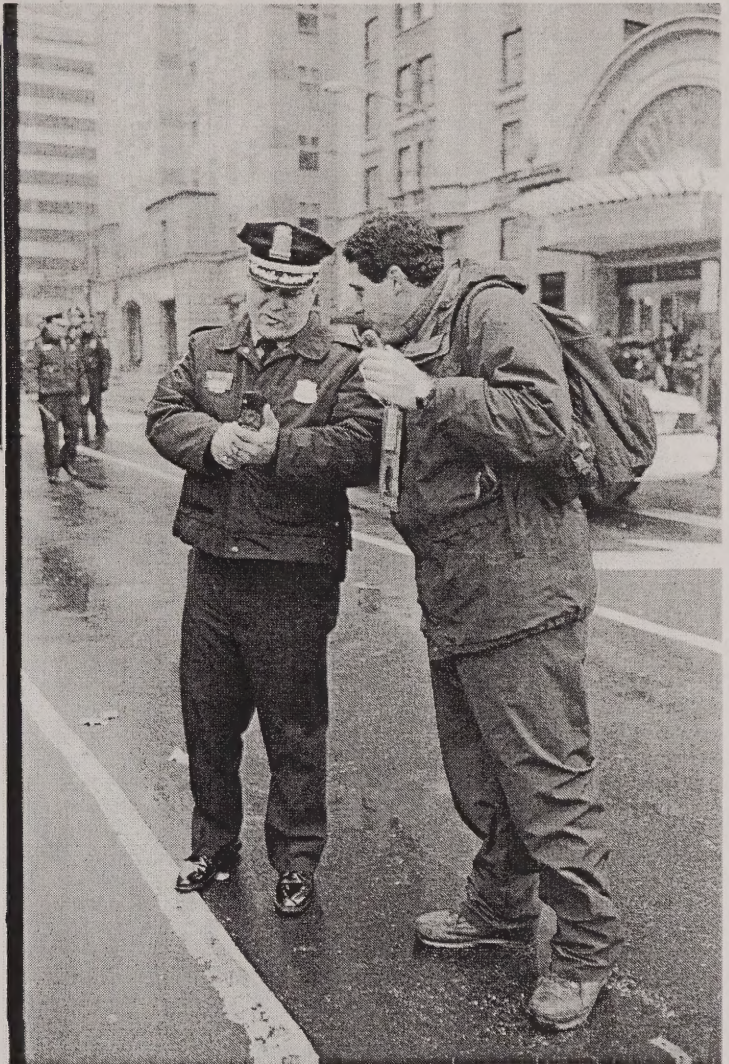
We encourage computer users to take part in discussions on Frank Carson's Open Channel computer BBS (301-203-8478) or subscribe to the Scan-DC e-mail list by visiting: <http://mailman.qth.net/mailman/listinfo/scan-dc>

Visit CHM's Scanner Links Page:

<http://henney.com/chm/links>

CHM GOES PAPERLESS!

The *Capitol Hill Monitor* newsletter is in the process of converting to electronic distribution. "Snail mail" distribution will continue for the time being at the current cost of \$10 for 12 issues (**please do not send more than \$10!**). Since the newsletter is provided at cost, the online version is available for free. To receive the online version, please send an e-mail to alan@henney.com. When the next issue is available, you will receive an e-mail with a link and list of topics for that issue. We welcome your input, suggestions and article submissions.



PHOTOS BY BOB PUGH OF BLIND SPOT NEWS SERVICE

From Inauguration 2001:

On the left, protesters congregate in Freedom Plaza while police keep them contained.

Top, Charlie Bragale, scanner enthusiast and assignment manager for WRC, chats with MPD Commander Jose Acosta.

On the cover, MPD Chief Charles Ramsey, now-U.S. Capitol Police Chief Terrance Gainer and MPD Commander Jose Acosta stand guard at Freedom Plaza.

Other photos in this newsletter are courtesy of former Armed Forces Inaugural Committees.

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